

SDS# 980, 98084KIT, 98087KIT  
Date: February 12, 2018

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## Flash™ Detect

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

**Product Name:** FLASH™ DETECT All Systems up to 5 tons  
**Catalog Number:** Pro-Green  
**Product Class:** HVAC/R refrigerant additive  
**Manufactured by:** DiversiTech Corporation  
6650 Sugarloaf Parkway  
Duluth, GA, 30097  
**Information Phone No.:** 1+678.542.3600  
**EMERGENCY Phone No.:** 1 800.255.3924 Chem-Tel (Chemical Emergencies)

### SECTION 2. HAZARDOUS IDENTIFICATION

#### Hazards Classification

Flammable liquids: Category 3  
Skin corrosion/irritation: Category 3

#### Label Elements:



**Signal Word:** Warning

#### Hazard Statement(s):

Flammable liquid and vapor  
Causes mild skin irritation

#### Precautionary Statement(s):

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Wear protective gloves and eye protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If skin irritation occurs: Get medical attention.  
In case of fire: Use carbon dioxide, dry chemical or foam to extinguish.

Dispose of contents/container in accordance with local/regional/national regulations.

#### Other hazards:

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	Composition, wt%	GHS Classification
Triethylorthoformate	122-51-0	50	Not classified

Remaining components of this product are not classified as hazardous under WHMIS 2015.

DOC20650  
DiversiTech Corporation  
6650 Sugarloaf Parkway  
Duluth, GA 30097

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### SECTION 4. FIRST AID MEASURES

#### Description of first aid measures

**Inhalation:** Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, oxygen may be given by qualified personnel. Obtain medical attention.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

**Skin Contact:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Acute and Delayed Symptoms:** None known

**Special Treatment Needed:** Only as above.

### SECTION 5. FIREFIGHTING MEASURES

**Extinguishing media:** Use water spray, carbon dioxide, dry chemical powder or appropriate foam.

#### Special hazards arising from the substance or mixture:

In combustion carbon monoxide, carbon dioxide, fumes and smoke will be produced.

Collect contaminated fire fighting water separately. Do not allow to enter the sewage system.

Vapor may travel considerable distance to source of ignition and flash back.

**Advice for firefighters:** Self-contained breathing apparatus and protective clothing as required.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear chemical-resistant gloves and chemical safety goggles or safety glasses with side shields. Avoid breathing vapors. Ensure adequate ventilation. Since the product contains a concentrated colourant, it is advisable to take extra care to avoid contact with the product.

#### Environmental precautions

Shut off all sources of ignition. Vapors are heavier than air and can accumulate. Avoid runoff to sewers and waterways.

**Methods and Material for Containment and Clean-Up:** Cover spill with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete. Treat or dispose of waste material in accordance with all local, state, provincial and national requirements.

### SECTION 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Since the product contains a concentrated colourant, it is advisable to take extra care to avoid contact with the product. Avoid prolonged or repeated exposure. Use spark-proof tools. No smoking.

**Conditions for Safe Storage:** Keep away from heat, sparks and open flame. In the opened canister, this product is sensitive to moisture. Store in a cool dry area.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Control Parameters

None of the components of this product have listed occupational exposure limits.

#### Engineering Controls

General room ventilation is expected to be sufficient for use of the product. Use non-sparking tools.

#### Protective Equipment

Wear chemical-resistant gloves and chemical safety goggles or safety glasses with side shields. The product contains a concentrated colourant and may stain skin and other articles.

#### Hygiene

Wash hands thoroughly after handling.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear green liquid

**Odor:** Mild ethereal

**Odor Threshold:** No data available

**pH @ 25°C:** No data available

**Freezing point:** No data available

**Boiling Point:** No data available

**Flash Point:** 35°C (95°F)

**Evaporation Rate (Water = 1):** No data available

**Flammable or Explosive Limits:** No data available

**Vapor pressure (mm Hg):** No data available

**Vapor Density (Air = 1):** No data available

**Density:** 0.97 g/cm<sup>3</sup> @ 20°C (68°F)

**Solubility in water:** No data available

**Octanol/Water Partition Coefficient:** No data available

**Autoignition Temperature:** No data available

**Decomposition Temperature:** No data available

### SECTION 10. STABILITY AND REACTIVITY

**Reactivity:** Reacts with water.

**Chemical Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Unlikely

**Conditions to Avoid:** Moisture, heat, flames and sparks

**Incompatible Materials:** Water (except in application), acids, strong oxidizing agents.

**Hazardous Decomposition Products:** In the case of a fire, carbon monoxide, carbon dioxide, fumes and smoke will be produced.

### SECTION 11. TOXICOLOGICAL INFORMATION

The toxicological properties of this product have not been investigated. Information for the triethylorthoformate component is included below.

**Acute toxicity:** Oral LD50 rat: Triethylorthoformate: 7060 mg/kg

**Skin LD50 rabbit:** Triethylorthoformate: 20 ml/kg

**Skin corrosion/irritation:** rabbit; Triethylorthoformate – mild irritation – 24 h

**Serious eye damage/irritation:** rabbit; Triethylorthoformate – no irritation

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**Carcinogenicity:** None of the components of this product is identified as a carcinogen by IARC, ACGIH, NTP or OSHA.

**Reproductive toxicity:** No data available

**Specific target organ toxicity:** No data available

**Aspiration hazard:** No data available

### SECTION 12. ECOLOGICAL INFORMATION

**Aquatic toxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Product

Contact a licensed professional waste disposal service to dispose of this material. Observe all local, state, provincial and national requirements.

#### Contaminated packaging

Dispose of as product.

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### SECTION 14. TRANSPORTATION INFORMATION

**TDG/IATA/IACO/IMDG**

**Shipping Name:** FLAMMABLE LIQUID, N.O.S. (ethyl orthoformate)

**UN #:** 1993

**Class:** 3

**Packing Group:** III

### SECTION 15. REGULATORY INFORMATION

**Superfund Amendments and Reauthorization Act (SARA) Title III Information:** SARA Section 311/312 (40 CFR 370)

**Immediate Hazard:** Yes, Flammable liquids category 3, Skin corrosion/irritation category 3

**Delayed Hazard:** Yes, Skin irritation category 3

**Fire Hazard:** Yes, Category 3

**Pressure Hazard:** No

**Reactivity Hazard:** Low risk for hazardous reactions

**SARA Section 313 (40 CFR 372) component**

This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels established by SARA Title III, Section 313 and 40 CFR 372.

**State Regulations - California Proposition 65:**

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under at levels which would be subject to the proposition.

**Toxic Substances Control Act (TSCA):**

All components of this product are included on the TSCA inventory.

**International Regulations**

**Canadian Environmental Protection Act (DSL)**

All products are on the Canadian Domestic Substance List (DSL)

**Canadian Workplace Hazardous Materials Information System (WHMIS)**

Flammable liquids: Category 3

Skin corrosion/irritation/irritation: Category 3

### SECTION 16. OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

**Notes to this revision**

This version 4.0 (February 12, 2018) has been updated from the previous version 3.1 of May 6, 2015 and conforms to the requirements of WHMIS 2015.

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